

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

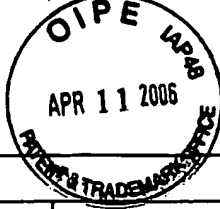
KC-19,694

SERIAL NO.

10/701,259

## LIST OF PRIOR ART CITED BY APPLICANT

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APPLICANT(S)

Peiguang ZHOU et al.

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04 November 2003

GROUP

1712

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
m3	AA	2,206,761 A	07/1940	Bergstein			
	AB	2,266,761 A	12/1941	Jackson, Jr. et al.			
	AC	2,357,392 A	09/1944	Francis, Jr.			
	AD	2,464,301 A	03/1949	Francis, Jr.			
	AE	2,483,405 A	10/1949	Francis, Jr.			
	AF	2,957,512 A	10/1960	Wade et al.			
	AG	2,957,852 A	10/1960	Frankenburg et al.			
	AH	3,186,893 A	06/1965	Mercer			
	AI	3,371,668 A	03/1968	Johnson			
	AJ	3,391,048 A	07/1968	Dyer et al.			
m3	AK	3,439,085 A	04/1969	Hartmann			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
m3	AL	2 165 486	06/1996	CA				
	AM	34 23 644	01/1986	DE				
	AN	37 34 963	04/1988	DE				
	AO	0 155 636	09/1985	EP				
m3	AP	0 172 037	02/1986	EP				

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

Mark J. Janner

DATE CONSIDERED

10/25/05

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USCOMM-DC 80-3985

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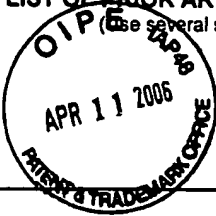
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
mz	AA	3,449,187 A	06/1969	Bobkowicz			
	AB	3,468,748 A	09/1969	Bassett			
	AC	3,489,148 A	01/1970	Duncan et al.			
	AD	3,575,782 A	04/1971	Hansen			
	AE	3,616,129 A	10/1971	Sager			
	AF	3,629,047 A	12/1971	Davison			
	AG	3,669,823 A	06/1972	Wood			
	AH	3,673,026 A	06/1972	Brown			
	AI	3,676,242 A	07/1972	Prentice			
mz	AJ	3,689,342 A	09/1972	Vogt et al.			
	AK	3,752,613 A	08/1973	Vogt et al.			

## FOREIGN PATENT DOCUMENTS

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							YES	NO
mz	AL	0 217 032	04/1987	EP				
	AM	0 239 080	09/1987	EP				
	AN	0 330 716 A2	09/1989	EP				
	AO	0 380 781	08/1990	EP				
mz	AP	0 396 800	11/1990	EP				

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

Muller J. J. J.

DATE CONSIDERED

10/25/06

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Peiguang ZHOU et al.

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1712

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mj</i>	AA	3,773,590 A	11/1973	Morgan			
	AB	3,806,289 A	04/1974	Schwarz			
	AC	3,836,416 A	09/1974	Ropiequet			
	AD	3,838,692 A	10/1974	Levesque			
	AE	3,855,046 A	12/1974	Hansen et al.			
	AF	3,857,144 A	12/1974	Bustin			
	AG	3,860,003 A	01/1975	Buell			
	AH	3,890,184 A	06/1975	Morgan			
	AI	3,904,465 A	09/1975	Haase et al.			
	AJ	3,912,567 A	10/1975	Schwartz			
<i>mj</i>	AK	3,917,448 A	11/1975	Wood			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>mj</i>	AL	0 456 885	11/1991	EP				
	AM	0 547 497	06/1993	EP				
	AN	0 582 569	02/1994	EP				
	AO	0 604 731	07/1994	EP				
<i>mj</i>	AP	0 617 939	10/1994	EP				

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
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EXAMINER

*Mark James*

DATE CONSIDERED

*10/25/04*

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FORM PTO-1448  
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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
KC-19,694SERIAL NO.  
10/701,259**LIST OF PRIOR ART CITED BY APPLICANT**  
(Use several sheets if necessary)APPLICANT(S)  
Peiguang ZHOU et al.FILING DATE  
04 November 2003GROUP  
1712**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
mg	AA	3,932,328 A	01/1976	Korpman			
	AB	3,949,128 A	04/1976	Ostermeier			
	AC	3,949,130 A	04/1976	Sabee et al.			
	AD	3,973,063 A	08/1976	Clayton			
	AE	3,978,185 A	08/1976	Buntin et al.			
	AF	3,979,050 A	09/1976	Cilia			
	AG	4,013,816 A	03/1977	Sabee et al.			
	AH	4,028,292 A	06/1977	Korpman			
	AI	4,038,346 A	07/1977	Feeney			
	AJ	4,041,203 A	08/1977	Brock et al.			
mg	AK	4,080,348 A	03/1978	Korpman			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
mg	AL	0 688 550	12/1995	EP				
	AM	0 689 815	01/1996	EP				
	AN	0 713 546	05/1996	EP				
	AO	0 743 052	11/1996	EP				
	AP	0 753 292	01/1997	EP				

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

*Muller James*

DATE CONSIDERED

*10/25/06*

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mg</i>	AA	4,090,385 A	05/1978	Packard			
	AB	4,100,324 A	07/1978	Anderson et al.			
	AC	4,107,364 A	08/1978	Sisson			
	AD	4,135,037 A	01/1979	Udipi et al.			
	AE	4,148,676 A	04/1979	Paquette et al.			
	AF	4,209,563 A	06/1980	Sisson			
	AG	4,211,807 A	07/1980	Yazawa et al.			
	AH	4,239,578 A	12/1980	Gore			
	AI	4,241,123 A	12/1980	Shih			
	AJ	4,248,652 A	02/1981	Civardi et al.			
<i>mg</i>	AK	4,259,220 A	03/1981	Bunnelle et al.			

**FOREIGN PATENT DOCUMENTS**

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<i>mg</i>	AL	0 761 193	03/1997	EP				
	AM	0 761 194	03/1997	EP				
	AN	0 763 353	03/1997	EP				
	AO	0 787 474	08/1997	EP				
<i>mg</i>	AP	0 802 251 A1	10/1997	EP				

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**U.S. PATENT DOCUMENTS**

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<i>mj</i>	AA	4,285,998 A	08/1981	Thibodeau			
	AB	4,300,562 A	11/1981	Pieniak			
	AC	4,302,495 A	11/1981	Marra			
	AD	4,303,571 A	12/1981	Jansen et al.			
	AE	4,304,234 A	12/1981	Hartmann			
	AF	4,310,594 A	01/1982	Yamazaki et al.			
	AG	4,319,572 A	03/1982	Widlund et al.			
	AH	4,323,534 A	04/1982	DesMarais			
	AI	4,333,782 A	06/1982	Pieniak			
	AJ	4,340,558 A	07/1982	Hendrickson			
<i>mj</i>	AK	4,374,888 A	02/1983	Bomslaeager			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>mj</i>	AL	0 806 196	11/1997	EP				
	AM	0 814 189	12/1997	EP				
	AN	0 901 780	03/1999	EP				
	AO	1 013 251	06/2000	EP				
<i>mj</i>	AP	2 244 422	12/1991	GB				

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

*Mark Janner*

DATE CONSIDERED

*10/25/05*

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mz</i>	AA	4,375,446 A	03/1983	Fujii et al.			
	AB	4,402,688 A	09/1983	Julemont			
	AC	4,405,397 A	09/1983	Teed			
	AD	4,413,623 A	11/1983	Pieniak			
	AE	4,417,935 A	11/1983	Spencer			
	AF	4,418,123 A	11/1983	Bunnelle et al.			
	AG	4,438,167 A	03/1984	Schwarz			
	AH	4,440,819 A	04/1984	Rosser et al.			
	AI	4,490,427 A	12/1984	Grant et al.			
	AJ	4,496,417 A	01/1985	Haake et al.			
<i>mz</i>	AK	4,507,163 A	03/1985	Menard			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>mz</i>	AL	2 250 921	06/1992	GB				
	AM	2 253 131	09/1992	GB				
	AN	2 267 024	11/1993	GB				
	AO	2 268 389	01/1994	GB				
<i>mz</i>	AP	92891	02/1992	IS				

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EXAMINER

*Mark James*

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*10/25/04*

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**U.S. PATENT DOCUMENTS**

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mj	AA	4,522,863 A	06/1985	Keck et al.			
	AB	4,525,407 A	06/1985	Ness			
	AC	4,543,099 A	09/1985	Bunnelle et al.			
	AD	4,548,859 A	10/1985	Kline et al.			
	AE	4,552,795 A	11/1985	Hansen et al.			
	AF	4,555,811 A	12/1985	Shimalla			
	AG	4,572,752 A	02/1986	Jensen et al.			
	AH	4,586,199 A	05/1986	Birring			
	AI	D284,036 S	06/1986	Birring			
	AJ	4,606,964 A	08/1986	Wideman			
mj	AK	4,618,384 A	10/1986	Sabee			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
mj	AL	3-67646	03/1991	JP				
	AM	WO 80/00676	04/1980	PCT				
	AN	WO 90/03464	04/1990	PCT				
mj	AO	WO 91/07277	05/1991	PCT				
	AP	WO 92/16371	10/1992	PCT				

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EXAMINER

*Marc J. Jones*

DATE CONSIDERED

*10/25/03*

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**U.S. PATENT DOCUMENTS**

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<i>mj</i>	AA	4,626,305 A	12/1986	Suzuki et al.			
	AB	4,636,419 A	01/1987	Madsen et al.			
	AC	4,640,859 A	02/1987	Hansen et al.			
	AD	4,644,045 A	02/1987	Fowells			
	AE	4,652,487 A	03/1987	Morman			
	AF	4,656,081 A	04/1987	Ando et al.			
	AG	4,657,793 A	04/1987	Fisher			
	AH	4,657,802 A	04/1987	Morman			
	AI	4,661,389 A	04/1987	Mudge et al.			
<i>mj</i>	AJ	4,663,220 A	05/1987	Wisneski et al.			
	AK	4,666,543 A	05/1987	Kawano			

**FOREIGN PATENT DOCUMENTS**

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<i>mj</i>	AL	WO 93/15247	08/1993	PCT				
	AM	WO 93/17648	09/1993	PCT				
	AN	WO 94/09736	05/1994	PCT				
	AO	WO 95/03443	02/1995	PCT				
<i>mj</i>	AP	WO 95/04182	02/1995	PCT				

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*Mark J. J. J.*

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<i>mj</i>	AA	4,675,068 A	06/1987	Lundmark			
	AB	4,683,877 A	08/1987	Ersfeld et al.			
	AC	4,687,477 A	08/1987	Suzuki et al.			
	AD	4,692,368 A	09/1987	Taylor et al.			
	AE	4,692,371 A	09/1987	Morman et al.			
	AF	4,698,242 A	10/1987	Salerno			
	AG	4,704,116 A	11/1987	Enloe			
	AH	4,718,901 A	01/1988	Singheimer			
	AI	4,719,261 A	01/1988	Bunnelle et al.			
	AJ	4,720,415 A	01/1988	Vander Wielen et al.			
<i>mj</i>	AK	4,725,468 A	02/1988	McIntyre			

**FOREIGN PATENT DOCUMENTS**

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							YES	NO
<i>mj</i>	AL	WO 95/16425	06/1995	PCT				
	AM	WO 95/16562	06/1995	PCT				
	AN	WO 95/34264	12/1995	PCT				
	AO	WO 96/13989	05/1996	PCT				
<i>mj</i>	AP	WO 96/23466	08/1996	PCT				

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EXAMINER

*Max James*

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<i>mj</i>	AA	4,726,874 A	02/1988	Van Vliet			
	AB	4,734,311 A	03/1988	Sokolowski			
	AC	4,734,320 A	03/1988	Ohira et al.			
	AD	4,734,447 A	03/1988	Hattori et al.			
	AE	4,735,673 A	04/1988	Piron			
	AF	4,756,942 A	07/1988	Aichele			
	AG	4,761,198 A	08/1988	Salemo			
	AH	4,762,582 A	08/1988	de Jonckheere			
	AI	4,775,579 A	10/1988	Hagy et al.			
<i>mj</i>	AJ	4,777,080 A	10/1988	Harris, Jr. et al.			
	AK	4,781,966 A	11/1988	Taylor			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>mj</i>	AL	WO 96/35402	11/1996	PCT				
	AM	WO 97/17046	05/1997	PCT				
	AN	WO 98/14156	04/1998	PCT				
	AO	WO 98/49988	11/1998	PCT				
<i>mj</i>	AP	WO 98/55062	12/1998	PCT				

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

*Maureen J. Janner*

DATE CONSIDERED

*10/25/06*

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	APPLICANT(S) Peiguang ZHOU et al.	
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<i>mj</i>	AA	4,787,699 A	11/1988	Moulin			
	AB	4,789,699 A	12/1988	Kieffer et al.			
	AC	4,795,668 A	01/1989	Krueger et al.			
	AD	4,798,603 A	01/1989	Meyer et al.			
	AE	4,801,345 A	01/1989	Dussaud et al.			
	AF	4,801,482 A	01/1989	Goggans et al.			
	AG	4,803,117 A	02/1989	Daponte			
	AH	4,804,577 A	02/1989	Hazelton et al.			
	AI	4,818,464 A	04/1989	Lau			
	AJ	4,818,597 A	04/1989	DaPonte et al.			
<i>mj</i>	AK	4,826,415 A	05/1989	Mende			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>mj</i>	AL	WO 99/17926	04/1999	PCT				
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	AN	WO 99/47590	09/1999	PCT				
	AO	WO 99/60969	12/1999	PCT				
<i>mj</i>	AP	WO 99/60970	12/1999	PCT				

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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*Muller J. J. J.*

DATE CONSIDERED

*10/25/06*

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USCOMM-DC 80-3985

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FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. KC-19,694	SERIAL NO. 10/701,259
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT(S) Peiguang ZHOU et al.	
		FILING DATE 04 November 2003	GROUP 1712

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mz	AA	4,842,666 A	06/1989	Werenicz			
	AB	4,854,985 A	08/1989	Soderlund et al.			
	AC	4,854,989 A	08/1989	Singheimer			
	AD	4,863,779 A	09/1989	Daponte			
	AE	4,867,735 A	09/1989	Wogelius			
	AF	4,874,447 A	10/1989	Hazelton et al.			
	AG	4,879,170 A	11/1989	Radwanski et al.			
	AH	4,883,482 A	11/1989	Gandrez et al.			
	AI	4,883,549 A	11/1989	Frost et al.			
	AJ	4,891,258 A	01/1990	Fahrenkrug			
mz	AK	4,892,536 A	01/1990	DesMarais et al.			

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mz	AL	WO 99/60971	12/1999	PCT				
	AM	WO 00/10500	03/2000	PCT				
	AN	WO 00/29199	05/2000	PCT				
mz	AO	WO 00/37003	06/2000	PCT				
	AP	WO 00/37005	06/2000	PCT				

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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Marek Jurek

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USCOMM-DC 80-3985

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<b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)				APPLICANT(S) Peiguang ZHOU et al.				
				FILING DATE 04 November 2003		GROUP 1712		
<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL	AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
m3	AA	4,892,903 A	01/1990	Himes				
	AB	4,900,619 A	02/1990	Ostrowski et al.				
	AC	4,906,507 A	03/1990	Grynaeus et al.				
	AD	4,908,247 A	03/1990	Baird et al.				
	AE	4,908,253 A	03/1990	Rasmussen				
	AF	4,910,064 A	03/1990	Sabee				
	AG	4,917,696 A	04/1990	De Jonckheere				
	AH	4,917,746 A	04/1990	Kons et al.				
	AI	4,929,492 A	05/1990	Carey, Jr. et al.				
	AJ	4,935,021 A	06/1990	Huffman et al.				
AK	4,938,821 A	07/1990	Soderlund et al.					
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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m3	AL	WO 00/37009	06/2000	PCT				
	AM	WO 00/37723	06/2000	PCT				
	AN	WO 01/00053	01/2001	PCT				
	AO	WO 01/32116	05/2001	PCT				
AP	WO 01/49907	07/2001	PCT					
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EXAMINER <i>Max J. J. J.</i>					DATE CONSIDERED <i>10/15/04</i>			
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KC-19,694SERIAL NO.  
10/701,259**LIST OF PRIOR ART CITED BY APPLICANT**  
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04 November 2003GROUP  
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
mz	AA	4,939,016 A	07/1990	Radwanski et al.			
	AB	4,940,464 A	07/1990	Van Gompel et al.			
	AC	4,949,668 A	08/1990	Heindel et al.			
	AD	4,965,122 A	10/1990	Morman			
	AE	4,968,313 A	11/1990	Sabee			
	AF	4,970,259 A	11/1990	Mitchell et al.			
	AG	4,977,011 A	12/1990	Smith			
	AH	4,981,747 A	01/1991	Morman			
	AI	4,984,584 A	01/1991	Hansen et al.			
	AJ	4,994,508 A	02/1991	Shiraki et al.			
mz	AK	4,995,928 A	02/1991	Sabee			

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mz	AL	WO 01/87214	11/2001	PCT				
	AM	WO 02/34184	05/2002	PCT				
	AN	WO 02/053667 A2	07/2002	PCT				
	AO	WO 02/053668 A2	07/2002	PCT				
mz	AP	WO 02/060690	08/2002	PCT				

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EXAMINER

*Mark J. Jones*

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	AB	5,000,806 A	03/1991	Merkatoris et al.			
	AC	5,002,815 A	03/1991	Yamanaka et al.			
	AD	5,005,215 A	04/1991	McIlquham			
	AE	5,013,785 A	05/1991	Mizui			
	AF	5,028,646 A	07/1991	Miller et al.			
	AG	5,032,120 A	07/1991	Freeland et al.			
	AH	5,034,008 A	07/1991	Breitkopf			
	AI	5,045,133 A	09/1991	DaPonte et al.			
	AJ	5,057,368 A	10/1991	Largman et al.			
<i>mj</i>	AK	5,060,349 A	10/1991	Walton et al.			

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<i>mj</i>	AL	WO 02/085624 A1	10/2002	PCT				
<i>mj</i>	AM	WO 2004/039907 A1	05/2004	PCT				
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
mg	AA	5,069,970 A	12/1991	Largman et al.			
	AB	5,073,436 A	12/1991	Antonacci et al.			
	AC	5,093,422 A	03/1992	Himes			
	AD	5,096,532 A	03/1992	Neuwirth et al.			
	AE	5,100,435 A	03/1992	Onwumere			
	AF	5,108,820 A	04/1992	Kaneko et al.			
	AG	5,110,403 A	05/1992	Ehler			
	AH	5,112,889 A	05/1992	Miller et al.			
	AI	5,114,087 A	05/1992	Fisher et al.			
	AJ	5,116,662 A	05/1992	Morman			
mg	AK	5,145,727 A	09/1992	Potts et al.			

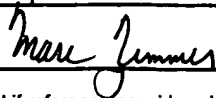
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mz</i>	AA	5,147,487 A	09/1992	Nomura et al.			
	AB	5,149,741 A	09/1992	Alper et al.			
	AC	D331,627 S	12/1992	Igaue et al.			
	AD	5,169,706 A	12/1992	Collier IV et al.			
	AE	5,169,712 A	12/1992	Tapp			
	AF	5,176,668 A	01/1993	Bernardin			
	AG	5,176,672 A	01/1993	Bruemmer et al.			
	AH	5,178,931 A	01/1993	Perkins et al.			
	AI	5,186,779 A	02/1993	Tubbs			
	AJ	5,188,885 A	02/1993	Timmons et al.			
<i>mz</i>	AK	5,192,606 A	03/1993	Proxmire et al.			

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EXAMINER

*Mark J. Jumper*

DATE CONSIDERED

*10/15/06*

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Peiguang ZHOU et al.

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mz</i>	AA	5,198,281 A	03/1993	Muzzy et al.			
	AB	5,200,246 A	04/1993	Sabee			
	AC	5,204,429 A	04/1993	Kaminsky et al.			
	AD	D335,707 S	05/1993	Igaue et al.			
	AE	5,209,801 A	05/1993	Smith			
	AF	5,219,633 A	06/1993	Sabee			
	AG	5,226,992 A	07/1993	Morman			
	AH	5,229,191 A	07/1993	Austin			
	AI	5,232,777 A	08/1993	Sipinen et al.			
	AJ	5,236,430 A	08/1993	Bridges			
<i>mz</i>	AK	5,236,770 A	08/1993	Assent et al.			

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EXAMINER

*Max J. Jones*

DATE CONSIDERED

*10/15/03*

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mz	AA	5,238,733 A	08/1993	Joseph et al.			
	AB	5,246,433 A	09/1993	Hasse et al.			
	AC	D340,283 S	10/1993	Igaue et al.			
	AD	5,252,170 A	10/1993	Schaupp			
	AE	5,259,902 A	11/1993	Muckenfuhs			
	AF	5,260,126 A	11/1993	Collier, IV et al.			
	AG	5,272,236 A	12/1993	Lai et al.			
	AH	5,277,976 A	01/1994	Hogle et al.			
	AI	5,278,272 A	01/1994	Lai et al.			
	AJ	5,288,791 A	02/1994	Collier, IV et al.			
	AK	5,290,842 A	03/1994	Sasaki et al.			
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<i>mz</i>	AA	5,296,080 A	03/1994	Merkatoris et al.			
	AB	5,304,599 A	04/1994	Himes			
	AC	5,308,345 A	05/1994	Herrin			
	AD	5,312,500 A	05/1994	Kurihara et al.			
	AE	5,324,580 A	06/1994	Allan et al.			
	AF	5,332,613 A	07/1994	Taylor et al.			
	AG	5,334,437 A	08/1994	Zafiroglu			
	AH	5,334,446 A	08/1994	Quantrille et al.			
	AI	5,336,545 A	08/1994	Morman			
<i>mz</i>	AJ	5,336,552 A	08/1994	Strack et al.			
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	AB	5,364,382 A	11/1994	Latimer et al.			
	AC	5,366,793 A	11/1994	Fitts, Jr. et al.			
	AD	5,376,198 A	12/1994	Fahrenkrug et al.			
	AE	5,376,430 A	12/1994	Swenson et al.			
	AF	5,382,400 A	01/1995	Pike et al.			
	AG	5,385,775 A	01/1995	Wright			
	AH	5,389,173 A	02/1995	Merkatoris et al.			
	AI	5,389,438 A	02/1995	Miller et al.			
	AJ	5,393,599 A	02/1995	Quantrille et al.			
<i>mz</i>	AK	5,399,219 A	03/1995	Roessler et al.			

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*Maureen J. J. J.*

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<i>mz</i>	AA	5,405,682 A	04/1995	Shawyer et al.			
	AB	5,407,507 A	04/1995	Ball			
	AC	5,411,618 A	05/1995	Jocewicz, Jr.			
	AD	5,413,654 A	05/1995	Igaue et al.			
	AE	5,413,849 A	05/1995	Austin et al.			
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<i>mz</i>	AK	5,429,629 A	07/1995	Latimer et al.			

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	AB	5,429,856 A	07/1995	Krueger et al.			
	AC	5,431,644 A	07/1995	Sipinen et al.			
	AD	5,431,991 A	07/1995	Quantrille et al.			
	AE	5,447,462 A	09/1995	Smith et al.			
	AF	5,447,508 A	09/1995	Numano et al.			
	AG	5,449,353 A	09/1995	Watanabe et al.			
	AH	5,464,401 A	11/1995	Hasse et al.			
	AI	5,466,410 A	11/1995	Hills			
	AJ	5,472,775 A	12/1995	Objeski et al.			
<i>mj</i>	AK	5,476,458 A	12/1995	Glaug et al.			

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FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
KC-19,694SERIAL NO.  
10/701,259**LIST OF PRIOR ART CITED BY APPLICANT**  
(Use several sheets if necessary)APPLICANT(S)  
Peiguang ZHOU et al.FILING DATE  
04 November 2003GROUP  
1712**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mg</i>	AA	5,476,563 A	12/1995	Nakata			
	AB	5,484,645 A	01/1996	Lickfield et al.			
	AC	5,486,166 A	01/1996	Bishop et al.			
	AD	5,490,846 A	02/1996	Ellis et al.			
	AE	5,496,298 A	03/1996	Kuepper et al.			
	AF	5,498,468 A	03/1996	Blaney			
	AG	5,500,075 A	03/1996	Hermann			
	AH	5,501,679 A	03/1996	Krueger et al.			
	AI	5,509,915 A	04/1996	Hanson et al.			
	AJ	5,514,470 A	05/1996	Haffner et al.			
<i>mg</i>	AK	5,516,476 A	05/1996	Haggard et al.			

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EXAMINER

*Mark J. Jumper*

DATE CONSIDERED

*10/23/06*

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Peiguang ZHOU et al.

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<i>mj</i>	AA	5,523,146 A	06/1996	Bodford et al.			
	AB	5,527,300 A	06/1996	Sauer			
	AC	5,531,850 A	07/1996	Hermann			
	AD	5,534,330 A	07/1996	Groshens			
	AE	5,536,563 A	07/1996	Shah et al.			
	AF	5,540,796 A	07/1996	Fries			
	AG	5,540,976 A	07/1996	Shawver et al.			
	AH	5,543,206 A	08/1996	Austin et al.			
	AI	5,545,158 A	08/1996	Jessup			
	AJ	5,545,285 A	08/1996	Johnson			
<i>mj</i>	AK	5,549,964 A	08/1996	Shohji et al.			

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*Maureen J. Jumper*

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<b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)				APPLICANT(S) Peiguang ZHOU et al.			
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*EXAMINER INITIAL	AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mg</i> ↓	AB	5,569,232 A	10/1996	Roe et al.			
	AC	5,575,783 A	11/1996	Clear et al.			
	AD	5,576,090 A	11/1996	Suzuki			
	AE	5,582,668 A	12/1996	Kling			
	AF	5,591,152 A	01/1997	Buell et al.			
	AG	5,591,792 A	01/1997	Hattori et al.			
	AH	5,595,618 A	01/1997	Fries et al.			
	AI	5,597,430 A	01/1997	Rasche			
	AJ	5,612,118 A	03/1997	Schleinz et al.			
	<i>mg</i>	AK	5,614,276 A	03/1997	Petsetakis		
		5,620,780 A	04/1997	Krueger et al.			
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<i>mj</i>	AA	5,624,740 A	04/1997	Nakata			
	AB	5,626,573 A	05/1997	Igaue et al.			
	AC	5,628,856 A	05/1997	Dobrin et al.			
	AD	5,645,672 A	07/1997	Dobrin			
	AE	5,652,041 A	07/1997	Buerger et al.			
	AF	5,660,664 A	08/1997	Herrmann			
	AG	5,663,228 A	09/1997	Sasaki et al.			
	AH	5,669,897 A	09/1997	Lavon et al.			
	AI	5,680,653 A	10/1997	Mathis et al.			
	AJ	5,681,302 A	10/1997	Melbye et al.			
<i>mj</i>	AK	5,683,787 A	11/1997	Boich et al.			

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*Mark J. James*

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<i>mj</i>	AA	5,690,626 A	11/1997	Suzuki et al.			
	AB	5,691,034 A	11/1997	Krueger et al.			
	AC	5,693,038 A	12/1997	Suzuki et al.			
	AD	5,695,849 A	12/1997	Shawver et al.			
	AE	5,702,378 A	12/1997	Widlund et al.			
	AF	5,707,709 A	01/1998	Blake			
	AG	5,709,921 A	01/1998	Shawver			
	AH	5,720,838 A	02/1998	Nakata			
	AI	5,733,635 A	03/1998	Terakawa et al.			
	AJ	5,733,822 A	03/1998	Gessner et al.			
<i>mj</i>	AK	5,735,839 A	04/1998	Kawaguchi et al.			

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<i>mj</i>	AA	5,736,219 A	04/1998	Suehr et al.			
	AB	5,746,731 A	05/1998	Hisada			
	AC	5,749,865 A	05/1998	Yamamoto et al.			
	AD	5,749,866 A	05/1998	Roe et al.			
	AE	5,766,389 A	06/1998	Brandon et al.			
	AF	5,766,737 A	06/1998	Willey et al.			
	AG	5,769,838 A	06/1998	Buell et al.			
	AH	5,769,993 A	06/1998	Baldauf			
	AI	5,772,649 A	06/1998	Siudzinski			
	AJ	5,773,373 A	06/1998	Wynne et al.			
<i>mj</i>	AK	5,773,374 A	06/1998	Wood et al.			

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>h m</i>	AA	5,788,804 A	08/1998	Horsting			
	AB	5,789,065 A	08/1998	Haffner et al.			
	AC	5,789,328 A	08/1998	Kurihara et al.			
	AD	5,789,474 A	08/1998	Lu et al.			
	AE	5,790,983 A	08/1998	Rosch et al.			
	AF	5,800,903 A	09/1998	Wood et al.			
	AG	5,804,021 A	09/1998	Abuto et al.			
	AH	5,804,286 A	09/1998	Quantrille et al.			
	AI	5,814,176 A	09/1998	Proulx			
<i>h m</i>	AJ	5,817,087 A	10/1998	Takabayashi et al.			
	AK	5,818,719 A	10/1998	Brandon et al.			

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*Mark J. Jones*

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1712**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mz</i>	AA	5,830,203 A	11/1998	Suzuki et al.			
	AB	5,834,089 A	11/1998	Jones et al.			
	AC	5,836,931 A	11/1998	Toyoda et al.			
	AD	5,836,932 A	11/1998	Buell et al.			
	AE	5,840,412 A	11/1998	Wood et al.			
	AF	5,840,633 A	11/1998	Kurihara et al.			
	AG	5,846,232 A	12/1998	Serbiak et al.			
	AH	5,849,001 A	12/1998	Torimae et al.			
	AI	5,856,387 A	01/1999	Sasaki et al.			
	AJ	5,858,515 A	01/1999	Stokes et al.			
<i>mz</i>	AK	5,860,945 A	01/1999	Cramer et al.			

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*Max Janner*

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<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
mg	AA	5,865,933 A	02/1999	Morin et al.				
	AB	5,876,392 A	03/1999	Hisada				
	AC	5,879,776 A	03/1999	Nakata				
	AD	5,882,573 A	03/1999	Kwok et al.				
	AE	5,885,656 A	03/1999	Goldwasser				
	AF	5,885,686 A	03/1999	Cederblad et al.				
	AG	5,897,546 A	04/1999	Kido et al.				
	AH	5,899,895 A	05/1999	Robles et al.				
	AI	5,902,540 A	05/1999	Kwok				
	AJ	5,904,298 A	05/1999	Kwok et al.				
	mg	AK	5,916,206 A	06/1999	Otsubo et al.			
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mz	AA	5,921,973 A	07/1999	Newkirk et al.				
	AB	5,930,139 A	07/1999	Chapdelaine et al.				
	AC	5,931,581 A	08/1999	Garberg et al.				
	AD	5,932,039 A	08/1999	Popp et al.				
	AE	5,938,648 A	08/1999	LaVon et al.				
	AF	5,941,865 A	08/1999	Otsubo et al.				
	AG	D414,262 S	09/1999	Ashton et al.				
	AH	5,952,252 A	09/1999	Shawver et al.				
	AI	5,964,970 A	10/1999	Woolwine et al.				
	AJ	5,964,973 A	10/1999	Heath et al.				
mz	AK	5,990,377 A	11/1999	Chen et al.				
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m	AA	5,993,433 A	11/1999	St. Louis et al.				
	AB	5,997,521 A	12/1999	Robles et al.				
	AC	6,004,306 A	12/1999	Robles et al.				
	AD	6,033,502 A	03/2000	Coenen et al.				
	AE	6,045,543 A	04/2000	Pozniak et al.				
	AF	6,048,326 A	04/2000	Davis et al.				
	AG	6,057,024 A	05/2000	Mieziva et al.				
	AH	6,066,369 A	05/2000	Schulz et al.				
	AI	6,087,550 A	07/2000	Anderson-Fischer et al.				
	AJ	6,090,234 A	07/2000	Barone et al.				
m	AK	6,092,002 A	07/2000	Kastman et al.				
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hmg	AA	6,093,663 A	07/2000	Ouellette et al.			
	AB	6,096,668 A	08/2000	Abuto et al.			
	AC	6,123,694 A	09/2000	Pieniak et al.			
	AD	6,132,410 A	10/2000	Van Gompel et al.			
	AE	6,149,637 A	11/2000	Allen et al.			
	AF	6,152,904 A	11/2000	Matthews et al.			
	AG	6,169,848 B1	01/2001	Henry			
	AH	6,183,587 B1	02/2001	McFall et al.			
	AI	6,183,847 B1	02/2001	Goldwasser			
	AJ	6,197,845 B1	03/2001	Janssen et al.			
	AK	6,214,476 B1	04/2001	Ikeda et al.			
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							YES	NO
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*Muller J. J. J.*

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*Maui Janner*

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*Mark J. Summers*

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